Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Message Text

PAGE 01 STATE 156945

73
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NASA-04 NSF-04 AEC-11 AID-20 CEA-02 CIAE-00 CIEP-02

COME-00 DODE-00 EB-11 FPC-01 H-03 INR-11 INT-08 L-03

NSAE-00 NSC-07 OMB-01 PM-07 RSC-01 SAM-01 SP-03 SS-20

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P 192001Z JUL 74
FM SECSTATE WASHDC
TO AMEMBASSY TOKYO PRIORITY

UNCLAS STATE 156945

E.O. 11652: N/A
TAGS: TECH, ENRG, JA
SUBJECT: US-JAPAN ENERGY R&D AGREEMENT: TRAVEL OF
US SURVEY TEAM
REFS: A. TOKYO 9332; B. STATE 151558; C. TOKYO 9057

1. AGREEMENT SIGNED BY SECRETARY AND JAPANESE AMBASSADOR
YASUKAWA 5:00 P.M., MONDAY, JULY 15, CLEARING WAY FOR
VISIT OF US TEAM OF EXPERTS.

2. REVISED LIST OF TEAM MEMBERS AND TITLES IS AS FOL:

A. MR. JUSTIN L. BLOOM (TEAM LEADER)
DEPUTY DIRECTOR FOR TECHNOLOGY
OFFICE OF ATOMIC ENERGY AFFAIRS
BUREAU OF INTERNATIONAL SCIENTIFIC
AND TECHNOLOGICAL AFFAIRS
DEPARTMENT OF STATE
UNCLASSIFIED

PAGE 02 STATE 156945

B. DR. DAVID B. CHANG
DEPUTY ASSISTANT SECRETARY
FOR SCIENCE AND TECHNOLOGY
DEPARTMENT OF COMMERCE

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

C. DR. HENRY BIRNBAUM
- SENIOR STAFF ASSOCIATE
OFFICE OF INTERNATIONAL PROGRAMS
NATIONAL SCIENCE FOUNDATION

D. MR. JOHN A. BLASY
SPECIAL ASSISTANT TO THE DIRECTOR
DIVISION OF APPLIED TECHNOLOGY
ATOMIC ENERGY COMMISSION

E. MR. LOUIS V. DIVONE
PROGRAM MANAGER
SOLAR ENERGY RESEARCH AND TECHNOLOGY
DIVISION OF ADVANCED ENERGY AND TECHNOLOGY
RESEARCH APPLIED TO NATIONAL NEEDS DIRECTORATE
NATIONAL SCIENCE FOUNDATION

F. MR. DONALD C. FOSTER
CHIEF, MARKET POLICY BRANCH
DIVISION OF INTERNATIONAL PROGRAMS
ATOMIC ENERGY COMMISSION

G. MR. HARRY D. HURLESS
ENGINEERING MANAGER
BONNEVILLE POWER ADMINISTRATION
DEPARTMENT OF INTERIOR

H. MR. GERALD S. LEIGHTON
DIRECTOR, MODULAR INTEGRATED UTILITIES SYSTEMS
PROGRAM MANAGER, UTILITIES SYSTEMS PROGRAMS
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

I. DR. RICHARD L. STROMBOTNE
ACTING CHIEF, ENERGY AND ENVIRONMENT DIVISION
OFFICE OF SYSTEMS ENGINEERING
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OFFICE OF THE ASSISTANT SECRETARY FOR SYSTEMS
DEVELOPMENT AND TECHNOLOGY
DEPARTMENT OF TRANSPORTATION

J. MR. WILLIAM M. PORTER
DIRECTOR, TECHNOLOGY TRANSFER DSVRSIOVON R&D
OFFICE OF INDUSTRIAL ENERGY CONSERVATION R&D
FEDERAL ENERGY ADMINISTRATION

K. DR. BRIAN M. HARNEY
STAFF RESEARCH COORDINATOR
DIVISION OF COAL, US BUREAU OF MINES
DEPARTMENT OF INTERIOR

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

L. MR. GREGORY G. ONDICH
ASSISTANT TO THE DIRECTOR
INTERNATIONAL TECHNOLOGY DIVISION
ENVIRONMENTAL PROTECTION AGENCY

FYI: ORDER GIVEN IS APPROXIMATE PROTOCOL RANK, WHICH GOJ HAS REQUESTED THROUGH WASHINGTON EMBASSY. NAMES 4-9 ARE SAME CIVIL SERVICE GRADE, AND ARE LISTED IN ALPHA-BETICAL ORDER.

3. GROUP VISITS SHOULD BE SCHEDULED AS FOL:

A. ELECTROTECHNICAL LABORATORY - TOKYO

HARNEY - MHD
CHANG - MHD
LEIGHTON - SOLAR
FOSTER OR BLASY - FUEL CELLS, SUPER-
-- CONDUCTION, SOLAR (2)
HURLESS - SUPERCONDUCTION, SOLAR
DIVONE AND BIRNBAUM - SOLAR

B. NATIONAL RESEARCH INSTITUTE FOR POLLUTION AND RESOURCES - SAITAMA

ONDICH - COAL GASIFICATION & LIQUEFACTION
-- USE OF WASTE MATERIALS AND WASTE
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-- HEAT
HARNEY - COAL GASIFICATION, SOLVENT EX-
-- TRACTION, PLASMA GASIFICATION
LEIGHTON - USE OF WASTE MATERIALS AND
-- WASTE HEAT
HURLESS - USE OF WASTE MATERIALS AND
-- WASTE HEAT
FOSTER OR BLASY - USE OF SOLID WASTE
-- (FIXED BED PYROLYSIS, WET
-- PIPELINE TRANSPORTATION)(2)

C. GOVERNMENT INDUSTRIAL RESEARCH INSTITUTE - KYUSHU

HARNEY - SOLVOLYSIS, LIQUEFACTION
ONDICH - LIQUEFACTION

D. GOVERNMENT INDUSTRIAL RESEARCH INSTITUTE - OSAKA

FOSTER OR BLASY - BATTERIES, FUEL
-- CELLS (1)

HURLESS - BATTERIES
STROMBOTNE - BATTERIES, FUEL CELLS

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

E. NATIONAL CHEMICAL LABORATORY FOR INDUSTRY - TOKYO

ONDICH - USE OF WASTE HEAT AND MATERIALS
LEIGHTON - USE OF WASTE HEAT & MATERIALS
HURLESS - USE OF WASTE HEAT & MATERIALS

F. GOVERNMENT INDUSTRIAL DEVELOPMENT LAB. - HOKAIDO

HARNEY - COAL LIQUEFACTION
ONDICH - COAL LIQUEFACTION
FOSTER OR BLASY - COAL LIQUEFACTION BY
-- DIRECT HYDROGENATION (1)

G. SHOWA ALUMININUM CO., LTD. - TOCHIGI

DIVONE AND BIRNBAUM - SOLAR
LEIGHTON - SOLAR
UNCLASSIFIED

PAGE 05 STATE 156945

H. GOVERNMENT INDUSTRIAL RESEARCH INSTITUTE - NOGOYA

DIVONE AND BIRNBAUM - SOLAR
BLASY OR FOSTER - SOLAR HEATING & COOLING
LEIGHTON

I. OOTAKE-HATCHOBARA GEOTHERMAL REGION (POWER
GENERATING PLANT AND GEOTHERMAL LAB. OF
KYUSHI UNIVERSITY)

DIVONE AND BIRNBAUM
FOSTER OR BLASY (1)

4. IN ADDITION TO THESE GROUP VISITS INDIVIDUAL TEAM
MEMBERS HAVE EXPRESSED INTEREST IN VISITING FOLLOWING
SITES AND INDIVIDUALS WHICH EMBASSY SHOULD TRY TO SCHEDULE
IF POSSIBLE:

A. DR. HARNEY:

A. ELECTROTECHNICAL LAB - TANASHI: MHD
B. HOKAIDO U: - LIQUEFACTION AND COAL ENERGY

B. DR. CHANG

A. MITI: DR. M. MONAKATA: MHD
B. ASAHI GLASS CO.: DRS. FUKUI AND FUNAOKA: MHD

C. TOKYO INSTITUTE OF TECHNOLOGY: PROF. S. SOMUJA
D. YOKOHAMA NATIONAL U: MR. TOKIO ONTA, IN HYDRO-
-- GEN PRODUCTION
E. TOKYO U: PROF. OSHIMA, IN CRYOGENICS (TO SEE

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-- OSHIMA'S REPLACEMENT

C. MR. LEIGHTON

A. DISTRICT HEATING SYSTEM - SAPPORO
B. KANSAI ELECTRIC CO. - OSAKA, MR. YUSHIYASA
-- YAMATANI

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PAGE 06 STATE 156945

D. MR. BLASY OR MR. FOSTER

1. JAPAN ATOMIC ENERGY RESEARCH INSTITUTE AND
THE YOKAHAMA NATIONAL UNIVERSITY IN HYDROGEN
PRODUCTION (2)
2. IN THE BATTERY FIELD, MR. BLASY HAS EXPRESSED
INTEREST IN:

-- A. YOSA BATTERY CO., OTSUKI, OUTSIDE OF
-- KYOTO (1)
B. JAPAN STORAGE CO., KYOTO (1)
C. TOSHIBA, TOKYO (INDUSTRY POSSIBILITY)
D. SANYO ELECTRIC, KOHE (INDUSTRY
-- POSSIBILITY)
E. MATSHUSHITA BATT., OSKA (INDUSTRY
-- POSSIBILITY)
FYI: RE NUMBERS IN PARENTHESIS BEHIND BLASY'S AND FOSTER'S
SELECTIONS INDICATE FOL: (1) INDICATES THAT FACILITY IS OF
HIGH PRIORITY AND (2) INDICATES THAT FACILITY IS SECONDARY
IMPORTANCE. BLASY WISHES VISIT ALL (1) FACILITIES AND AS
MANY (2) ,RIORITIES AS TIME PERMITS. FOSTER WISHES VISIT
ANY (2) FACILITIES BLASY CANNOT SEE, PLUS AS MANY (1)
PRIORITIES AND REMAINING (2) FACILITIES AS TIME ALLOWS.

E. MR. HURLESS - NATIONAL RESEARCH INSTITUTE FOR
-- METALS - TOKYO, IN SUPERCONDUCTION
-- MATERIALS.

F. MR. PORTER, FEA, HAS NOT DESIGNATED ANY SPECIFIC
SITES BUT HAS PROVIDED FOL INFO FOR EMBASSY GUIDANCE IN
SETTING UP APPOINTMENTS QUOTE PORTER WHO HAS BEEN DEVELOP-
ING ENERGY CONSERVATION PROGRAMS IN INDUSTRY AND BUILDING
AREAS WOULD BE INTERESTED IN BRIEFINGS BY MITI AND OTHER
JAPANESE ORGANIZATIONS OR LABORATORIES WITH RESEARCH
PROGRAMS PERTAINING TO ENERGY CONSERVATION. SPECIFIC
PROJECTS CURRENTLY UNDER DEVELOPMENT EXIST IN FOLLOWING

SPECIFIC AREAS: (A) INDUSTRY DATA COLLECTION AND POSSIBLE
DEMONSTRATION CONCERNING ENERGY CONSERVATION AND IN-
DUSTRIAL PROCESSING I.E., CEMENT AND STEEL; AND (B)
UTILITY LOAD MANAGEMENT I.E., USE OF OFF-PEAK POWER OR
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Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

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DUAL USE OF ENERGY. IN BUILDING AREA PROJECTS PERTAINING TO EXISTING BUILDINGS NEW BUILDINGS AND INTEGRATED SYSTEMS, MODULAR INTEGRATED UTILITY AND TOTAL ENERGY SYSTEMS, AND SPECIFIC TECHNOLOGIES SUCH AS HEAT PUMPS. US FEA ENERGY CONSERVATION OFFICIALS HAVE HAD PREVIOUS WORKING LEVEL CONTACTS WITH MESSRS. TOYANAGA, HOSAKAWA, AND ESAKI OF MITI WHO MIGHT BE HELPFUL TO EMBASSY IN SUGGESTING POTENTIAL AREAS OF ACTIVITY FOR PORTER TO VISIT UNQUOTE. SUGGEST PORTER MAY BE INTERESTED IN JOINING LEIGHTON ON VISITS CONCERNING MIUS.

G. MR. STROMBOTNE WISHES, AS FIRST PRIORITY, TO FOLLOW UPON DISCUSSIONS WITH MOT MENTIONED REF B., PARA 2. AS SECOND PRIORITY, WOULD LIKE TO VISIT:

1. HONDA, RE CVCC ENGINE DEVELOPMENT
2. TOYOTA, RE MANUFACTURING PLANT OPERATION
3. DAIHATSU, RE DIESEL ENGINE PRODUCTION.

AS THIRD PRIORITY WISHES TO VISIT:

1. NATIONAL AEROSPACE LAB. - TOKYO, ON ADVANCED PROPULSION ENGINE
2. NATIONAL INSTITUTE FOR RESEARCH IN INORGANIC MATERIALS, IBARAGI IN ADVANCED PROPULSION MATERIALS.

H. DR. BIRNBAUM AND MR. DIVONE ALSO WISH TO VISIT SOLAR ENERGY RESEARCH INSTALLATIONS LISTED REF C; PARA 5. A.1(1) AND GEOTHERMAL INSTALLATIONS LISTED REF A., PARA I.A. IF POSSIBLE. NSF IS LEAD AGENCY IN THESE TWO FIELDS AND SO SHOULD RECEIVE PRIORITY THESE TECHNOLOGY VISITS OVER OTHER AGENCIES IF SCHEDULING PROHIBITS ACCOMODATING, FOR EXAMPLE, ENTIRE RANGE OF OTHER AGENCIES' INTERESTS.

I. MR. BLOOM WISHES TO VISIT HYDROGEN PRODUCTION FACILITIES LISTED REFS A AND C, AND WISHES TO MAKE COURTESY CALLS ON SEVERAL GOJ AND OTHER JAPANESE SCIENCE CONTACTS. COMPLETE LIST OF THESE CONTACTS WILL FOLLOW BY SEPTEL.

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5. WE APPRECIATE NUMBER AND DIVERSITY OF VISITS OUTLINED ABOVE MAY BE TOO MUCH FOR TIME AVAILABLE. EMBASSY IS

FREE TO SELECT BEST ITINERARIES IN CONSULATION WITH GOJ.

6. NUMBER OF TEAM MEMBERS TRAVELING TOGETHER ON NORTHWEST

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

ORIENT FLIGHT NO. 3 DIRECT FROM WASHINGTON TO TOKYO AND ARRIVING SATURDAY AUGUST 3 HAS BEEN REDUCED TO FOLLOWING: HARNEY, LEIGHTON, DIVONE, PORTER AND STROMBOTNE. IF POSSIBLE WOULD APPRECIATE EMBASSY MEETING THESE TEAM MEMBERS. SINCE OTHER TEAM MEMBERS ARE ALL ARRIVING SEPARATELY BY OTHER FLIGHTS THEY HAVE BEEN INFORMED THAT EMBASSY WILL NOT BE ASKED TO MEET AND ASSIST. INGERSOLL

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EO Systematic Review
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